HALONIX

HALONIX TECHNOLOGIES PRIVATE LIMITED
(NABL CERTIFICATION NUMBER: TC-7634)
PLOT-5, SECTOR-12, IIE, SIDCUL, HARIDWAR-249403

TYPE TEST REPORT **Date: 25/09/2018**

Product	:	72W LED Street Light Luminaires suitable for 240V, 50Hz, AC supply
Product Code	:	HLSLD-15-72-CWL-R
Brand Name	:	HALONIX
Document Reference	:	IS 10322 / IEC 60598, IS 15885, IS 16103, IS 16104, IS 16107, LM79 & TDS

Sr. No.	Requirements		Observation	Verdict
1.	Visual Examination	The finishing and workmanship shall be good and acceptable	Finishing and workmanship found to be good and acceptable Satisfactory	Pass
2.	Dimensions	Shall be as per TDS	As per TDS Satisfactory	Pass
3.	Marking	Clause 6 of IS:10322 (Pt.1) & Clause 4 of IS:16107 (Pt.2/Sec.1) 2012 shall apply Shall be clear and legible	Halonix Technologies Private Limited Made in India 240V, 50Hz Cat. Ref. HLSLD-15-72-CWL-R Wattage-72W Lamp type – LED	Pass
4.	Construction	As per IS:10322 (Pt. 2) shall apply, together with the requirements of 6.1 to 6.6	Pressure die cast Aluminum housing with corrosion resistance powder coating and manufacturer emblem / logo in to the housing, Clear toughened glass cover, Optical lens for LED, Electronic driver.	Pass
5.	Provision for Earthing	The provision given in 2.0 of part 2 of IS:10322 (Pt. 2) shall apply	Earth contact Resistance <0.5 Ω	Pass

HALONIX TECHNOLOGIES PVT LTD

AEE (Ele.)

Halonix Technologies Pvt. Ltd.

Registered Office:
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Distt. Gautam Budh Nagar, Uttar Pradesh - 201305
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Manufacturing Unit:
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Tel: +91 9568152111 | Fax: +91 01334 230696

E-Mail: customercare@halonix.co.in
Website: www.halonix.co.in

Formerly known as Halonix Technologies Limited

6.	Drop Test	As per IEC 60068-2-31	Withstood the impact Satisfactory	Pass
7.	Cree Page Distance and Clearance	Shall be ≥ 3mm and ≥ 4mm	3.5mm & 4.5mm	Pass
8.	Terminals	As per IS:10322 (Pt.2) shall apply	As per standard specification	Pass
9.	External and Internal Wiring	Clause 19 of IS:10322 (Pt. 2) shall apply	As per standard specification	Pass
10.	Protection against Electric Shock	The provision given in 21 of part 2 of IS:10322 (Pt. 2) shall apply	Test finger does not contact any live parts Satisfactory	Pass
11.	Mechanical Strength	Clause 5 of IS:10322(Pt.4) shall apply Test for Impact Resistance **(IK05)**	Doesn't show any damage As per standard	Pass
12.	Endurance Test and	Clause 6 of IS:10322(Pt.4) shall apply	No parts shall be damaged, unserviceable, and unsafe & marking is legible and the luminaires perform normally.	Pass
13.	Thermal Test	At 25°C ambient Heat sink MCPCB Led Ts Driver Tc	53°C, 60°C 69°C 72°C Satisfactory	Pass
14.	Resistance to Heat, Fire & Tracking	On plastic materials only	The diameter of impression <1.20mm The sample under test and any gas produced during the test doesn't ignite	Pass Pass

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15.	Resistance to Dust and Moisture	Clause 2 of IS:10322 (Pt .4) shall apply Test for ingress of dust and Moisture **(IP66)** Insulation Resistance Shall be ≥ 2MΩ on application of 500V DC Electric strength test Shall withstood a voltage of 1.5KV for 1 Min	No ingress of dust and no accumulation of water. >2 MΩ Satisfactory Satisfactory	Pass Pass Pass
16.	Operating Voltage Range	The luminaries shall operate within 140-270V supply Voltage with the same driver	Luminaries operable within 140V-270V supply Voltage with the same driver	Pass

Test Voltage 240V, 50Hz

17.	Input Wattage	Power consumption of the complete System, including driver losses 72W±10%	71.90W	Pass
18.	Input Power Factor	>0.95	0.979	Pass
19.	Max. Input Current	<347mA	306mA	Pass
20.	THD	<10%	8.8%	Pass
21.	Electronic LED Driver efficiency	>85%	88.4%	Pass
22.	Surge voltage protection	5KV internal	Withstood 5KV	Pass

Issued by

Sanjay Sharma

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